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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/701,418	11/06/2003	Rajiv Ranjan	50103-556	7578
MCDERMOT	7590 02/21/200 Γ, WILL & EMERY	7	EXAM	INER
600 13th Street, N.W.			BASHORE, ALAIN L	
Washington, D	C 20005-3096		ART UNIT PAPER NUMBER	
		•	. 1762	
<u></u>				
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MC	NTHS	02/21/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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	Application No.	Applicant(s)				
	10/701,418	RANJAN ET AL.	RANJAN ET AL.			
Office Action Summary	Examiner	Art Unit				
	Alain L. Bashore	1762				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet v	vith the correspondence add	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUN 36(a). In no event, however, may a will apply and will expire SIX (6) MO cause the application to become A	ICATION. reply be timely filed NTHS from the mailing date of this column ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 31 Ja						
,_	action is non-final.					
3) Since this application is in condition for allowar			merits is			
closed in accordance with the practice under E	x parte Quayle, 1935 C.	D. 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-24 is/are pending in the application.						
4a) Of the above claim(s) 11-24 is/are withdraw	n from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-10</u> is/are rejected.	•					
7) Claim(s) is/are objected to.	Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the	drawing(s) be held in abeya	ance. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	ion is required if the drawin	g(s) is objected to. See 37 CF	R 1.121(d).			
11)☐ The oath or declaration is objected to by the Ex	caminer. Note the attache	ed Office Action or form PT	O-152.			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C.	§ 119(a)-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents	s have been received.					
2. Certified copies of the priority documents	s have been received in	Application No				
3. Copies of the certified copies of the prior	rity documents have bee	n received in this National	Stage			
application from the International Bureau	u (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list	of the certified copies no	t received.				
•		•				
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413) o(s)/Mail Date				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 		Informal Patent Application				
Paper No(s)/Mail Date	6) 🗌 Other:					

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DETAILED ACTION

Response to Amendment

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shimizu et al in view of Chou et al.

Shimizu et al discloses a method of manufacturing granular perpendicular magnetic recording material. There is provided a non-magnetic substrate, and forming a layer track on the surface, the layer stack including granular perpendicular magnetic recording layer (para 0023). A plasma is generated, and the exposed surface of the layer is treated with plasma to form an oxidized surface layer (para 0110). Al-based

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alloys are disclosed for the non-magnetic substrate (para 0038). A HCP lattice structure is also disclosed (para 0106).

Shimizu et al does not disclose the plasma containing at least one oxygen species derived from a source gas comprised of a compound of oxygen and at least one other non-metallic element.

Chou et al discloses oxygen plasma reaction (col 4, lines 2-16).

It would have been obvious to one with ordinary skill in the art to include such because of advantages taught by Chou et al (col 3, lines 3-10).

Response to Arguments

4. Applicant's arguments, see after-final arguments, filed 1-31-07, with respect to the rejection(s) of claim(s) 1-10 under 35 USC 103 have been fully considered and are persuasive. Therefore, the final rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of The reference to Chou et al. Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

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Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alain L. Bashore whose telephone number is 571-272-6739. The examiner can normally be reached on about 7:30 am to 5:00 pm (Mon. thru Thurs.).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Meeks can be reached on 571-272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Alain L. Bashore Primary Examiner Art Unit 1762